

DOE/LBNL Commercial Building Energy Information Handbook

Objective

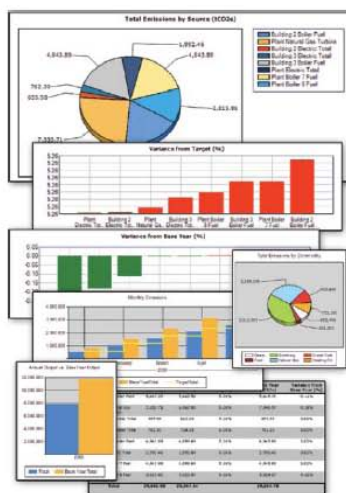
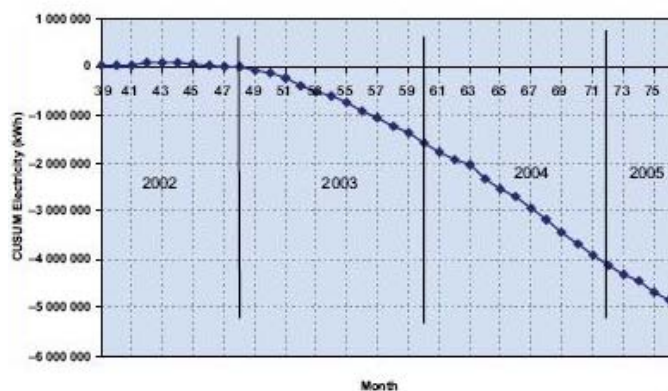
- Development of a handbook detailing the use and application of ~25 energy analytical methods for analyzing building energy performance.

Scope

- Analyses from a spectrum of commercial tools – utility bill tracking, continuous commissioning, fault detection and diagnostics, energy information systems
- Non-commercialized analyses
- Whole-building, systems, and component analyses

Examples of Analysis Methods

- Baselining
- Longitudinal benchmarking
- Cross-sectional benchmarking
- Utility cost accounting
- Carbon reporting
- Energy signatures
- Ratio of peak load to base load
- Component and system efficiency
- Whole-building energy anomaly detection
- Demand response load shed prediction
- CUSUM
- Load prediction
- HVAC fault detection and diagnostics



**For Release
September 2011**

Intended Audience:
Software developers
Analytical service providers
Building operators
Building energy managers

Technical Advisory Group:
First meeting January 25 2011
Second meeting Q2 2011
Third meeting Q3 2011

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